



# 1997 TOXICS RELEASE INVENTORY

# WASHINGTON

## State/TRI Data

Population	5,614,151
Square Miles	66,581
Total Facilities	283
Total Forms	925
Form As	117

<b>National Rank for Total On- and Off-site Releases</b> <i>(includes transfers out-of-state for disposal)</i>	
Rank	26
Pounds	31,830,466
<b>National Rank for Total On-site Releases</b> <i>(includes quantities released at the facility; excludes quantities transferred to other sites for disposal)</i>	
Rank	27
Pounds	24,434,377
<b>National Rank for Total Releases within State</b> <i>(excludes transfers out-of-state for disposal)</i>	
Rank	31
Pounds	25,671,920
<b>National Rank for Production-related Waste Managed</b>	
Rank	30
Pounds	226,098,836



The largest triangle appearing in the state map represents the largest facility for on-site releases in the state of Washington. All triangles are proportionally-sized to represent the amounts of releases at each facility within this state.

## Reported Releases and Waste Management Activities

	Pounds
On-site Releases	24,434,377
Air Emissions	21,629,906
Surface Water Discharges	2,463,756
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	3,468
Other On-site Land Releases	337,247
Off-site Releases (Transfers Off-site to Disposal)	7,396,089
<b>Total On- and Off-site Releases</b>	<b>31,830,466</b>
Recycled On-site	96,663,620
Recycled Off-site	6,416,187
Energy Recovery On-site	12,166,288
Energy Recovery Off-site	857,072
Treated On-site	75,521,856
Treated Off-site	3,627,965
Quantity Released On- and Off-site	30,845,848
<i>(excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions)</i>	
<b>Total Production-related Waste Managed</b>	<b>226,098,836</b>
<b>Total Non-production-related Waste Managed</b>	<b>146,155</b>

## Top Five Chemicals for Total Releases In State

CAS Number	Chemical	On-site Releases						Off-site Releases (Transfers Off-site to Disposal)			Total Releases in the State*
		<u>Underground Injection</u>				<u>On-site Releases to Land</u>		Transferred Into State	Transferred Within State	Transferred Out of State	
		Air	Surface	Class I Wells	Class II-V Wells	RCRA	Other				
		Emissions	Water Discharges			Subtitle C Landfills	On-site Land Releases				
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
67-56-1	Methanol	6,409,927	543,179	0	0	0	6,100	0	255	123	6,959,461
7664-41-7	Ammonia	1,589,173	348,617	0	0	0	93,300	0	38,900	44,968	2,069,990
463-58-1	Carbonyl sulfide	1,820,838	0	0	0	0	0	0	0	0	1,820,838
7664-39-3	Hydrogen fluoride	1,475,716	0	0	0	0	0	250	750	0	1,476,716
	Nitrate compounds	256	1,163,466	0	0	0	145,330	0	5	1,097,350	1,309,057

\*The chemical ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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## Top Five Facilities for Total On-site Releases

Facility / City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State	Transferred Out of State
	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Longview, Cowlitz	4,179,303	275,063	0	0	0	0	4,454,366	327,327	0
Fort James Camas LLC, Camas, Clark	1,148,750	222,750	0	0	0	4,570	1,376,070	0	7,700
Boise Cascade, Wallula, Walla Walla	1,239,966	93,766	0	0	0	38,248	1,371,980	0	301
Georgia-Pacific West Inc., Bellingham, Whatcom	596,304	563,852	0	0	0	0	1,160,156	1,322	1,692
Kaiser Aluminum & Chemical, Mead, Spokane	1,121,755	286	0	0	0	250	1,122,291	250	24,900

\*The facility ranking is based on the amounts in this column.

## Top Five Facilities for Total Quantity Released On-site and Off-site

Facility / City, County	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy Recovery Off-site	Treated On-site	Treated Off-site	Quantity Released On- and Off-site*	Total Production-related Waste Managed	Total Non-Production-related Waste Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Weyerhaeuser Co., Longview, Cowlitz	1,100	0	0	1,000	17,363,910	0	4,826,500	22,192,510	1,438
Birmingham Steel Corp., Seattle, King	0	1,014,868	0	0	0	0	3,901,611	4,916,479	0
Unocal, Kennewick, Benton	0	0	0	0	0	0	1,986,280	1,986,280	134,910
Fort James Camas LLC, Camas, Clark	0	0	637,500	0	3,754,840	7,700	1,386,700	5,786,740	1,321
Boise Cascade, Wallula, Walla Walla	0	0	20,500	0	9,346,696	0	1,372,727	10,739,923	100

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## For More Information...

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